

## WHAT IS CLAIMED IS:

1. An organic electroluminescent device comprising:  
an organic compound layer including at least one organic  
5 compound film containing an organic compound having a  
phenylamino group, wherein

said organic compound layer contains copper atoms having  
a weight concentration of not higher than 500 ppm as impurities.

10 2. The organic electroluminescent device according to  
Claim 1, wherein

said weight concentration of copper atoms as impurities  
in said organic compound layer is not higher than 200 ppm.

15 3. The organic electroluminescent device according to  
Claim 1, wherein

said organic compound layer includes:

an organic compound film containing a luminescent  
material, and

20 an organic compound film containing a carrier  
transporting material.

4. An organic electroluminescent device comprising:

an organic compound layer including at least one organic  
25 compound film containing an organic compound having a

phenylamino group, wherein

said organic compound layer contains aluminum atoms having a weight concentration of not higher than 800 ppm as impurities.

5

5. The organic electroluminescent device according to Claim 4, wherein

said organic compound layer includes:

an organic compound film containing a luminescent  
10 material, and

an organic compound film containing a carrier transporting material.

6. An organic electroluminescent device comprising:

15 an organic compound layer including at least one organic compound film containing an organic compound having a phenylamino group, wherein

said organic compound layer contains iron atoms having a weight concentration of not higher than 800 ppm as impurities.

20

7. The organic electroluminescent device according to Claim 6, wherein

said organic compound layer includes:

an organic compound film containing a luminescent  
25 material, and

an organic compound film containing a carrier transporting material.

8. An organic electroluminescent device comprising:

5 an organic compound layer including at least one organic compound film containing an organic compound having a phenylamino group, wherein

said organic compound layer contains nickel atoms having a weight concentration of not higher than 900 ppm as impurities.

10

9. The organic electroluminescent device according to Claim 8, wherein

said organic compound layer includes:

15 an organic compound film containing a luminescent material, and

an organic compound film containing a carrier transporting material.

10. An organic electroluminescent device comprising:

20 an organic compound layer including at least one organic compound film containing an organic compound having a phenylamino group, wherein

said organic compound layer contains sodium atoms having a weight concentration of not higher than 1000 ppm as  
25 impurities.

11. The organic electroluminescent device according to Claim 10, wherein

said organic compound layer includes:

5 an organic compound film containing a luminescent material, and

an organic compound film containing a carrier transporting material.

10 12. An organic electroluminescent device comprising:  
an organic compound layer including at least one organic compound film containing an organic compound having a quinolinol group, wherein

said organic compound layer contains iron atoms having  
15 a weight concentration of not higher than 800 ppm as impurities.

13. The organic electroluminescent device according to Claim 12, wherein

said organic compound layer includes:

20 an organic compound film containing a luminescent material, and

an organic compound film containing a carrier transporting material.

25 14. An organic electroluminescent device comprising:

an organic compound layer including at least one organic compound film containing an organic compound having a quinolinol group, wherein

said organic compound layer contains nickel atoms having  
5 a weight concentration of not higher than 900 ppm as impurities.

15. The organic electroluminescent device according to Claim 14, wherein

said organic compound layer includes:

10 an organic compound film containing a luminescent material, and

an organic compound film containing a carrier transporting material.

15 16. An organic electroluminescent device comprising:  
an organic compound layer including at least one organic compound film containing an organic compound having a quinolinol group, wherein

said organic compound layer contains sodium atoms having  
20 a weight concentration of not higher than 1000 ppm as impurities.

17. The organic electroluminescent device according to Claim 16, wherein

25 said organic compound layer includes:

an organic compound film containing a luminescent material, and

an organic compound film containing a carrier transporting material.